

Explicit forms of the Schwarz integral with applications for inverse boundary-value problems

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Abstract

We obtain new explicit forms of the Schwarz integral in the unit circle. By means of superpositions of logarithms we establish criteria for the appearance of singular boundary points and circles in inverse boundary-value problems. © 2013 Allerton Press, Inc.

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Keywords

inverse boundary-value problems, modulus of continuity, Schwarz integral